Project Audit

Project:

Darkshield Games

May 2, 2022

Overview

This audit has been prepared for **Darkshield Games** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	DarkShield
Ticker	DKS
Contract	0x121235cfF4c59EEC80b14c1d38B44e7de3A18287
Network	Binance smart chain
Language	Solidity
Tax	**None**
Total Supply	4,840,915,659
Status	Launched

Current stats

Burn	3.18% of total supply
LP Address	0x8d60314Aff258d6ce282161e6c2C17D70BdDD310 **99.65% Locked in TeamFinance** **Unlocks at July 11, 2022**
Liquidity	932 WBNB
MaxTxAmount	No limit

Issues Checking Status	
Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

Featured Wallets

Owner address	0x2925856aB2F6652b38290645A885B62BB48634ec
Bot protect address	0x7Be325653FC2222900A8630FC796E42537e45077 **Contract unverified in Bscscan**
LP token address	0x8d60314Aff258d6ce282161e6c2C17D70BdDD310 **99.65% Locked in TeamFinance** **Unlocks at July 11, 2022**

Top 3 Unlocked Wallets

Wallet 1 (10.32%)	0x9af560ab250dd40387abe011e5309b9fb19ad74c **Contract unverified in Bscscan**
Wallet 2 (10.32%)	0xf93385c1c5e481d4a36b7b752219dc7c6a4167cf **Contract unverified in Bscscan**
Wallet 3 (10.32%)	0x00c572d10a795c18ec54394470b713f0c6b5f2b9 **Contract unverified in Bscscan**

Security Threads

Owner can set external bot protection address once.
Bot protection address is currently set at contract unverified in BscScan with
unknown protection criteria.

```solidity
function setBPAddrss(address _bp) external onlyOwner {
    require(address(BP) == address(0), "Can only be initialized once");
    BP = BPContract(_bp);
}
function _transfer(
    address sender,
    address recipient,
    uint256 amount
) internal {
    if (bpEnabled && !BPDisabledForever) {
        BP.protect(sender, recipient, amount);
    }

    require(sender != address(0), "BEP20: transfer from the zero address");
    require(recipient != address(0), "BEP20: transfer to the zero address");

    _balances[sender] = _balances[sender].sub(
        amount,
        "BEP20: transfer amount exceeds balance"
    );
    _balances[recipient] = _balances[recipient].add(amount);
    emit Transfer(sender, recipient, amount);
}
```
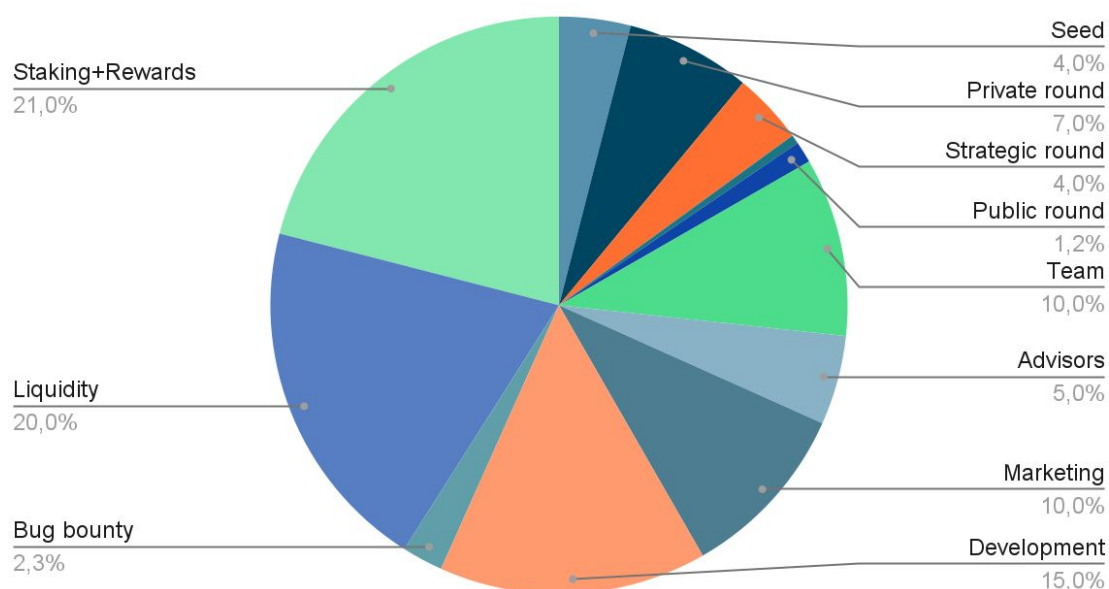
Tokenomics

According to their whitepaper

- 4% - Seed round
- 7% - Private round
- 4% - Strategic round
- 0.5% - Coummunity round
- 1.2% - Public round
- 10% - Team
- 5% - Advisors
- 10% - Marketing
- 15% - Development
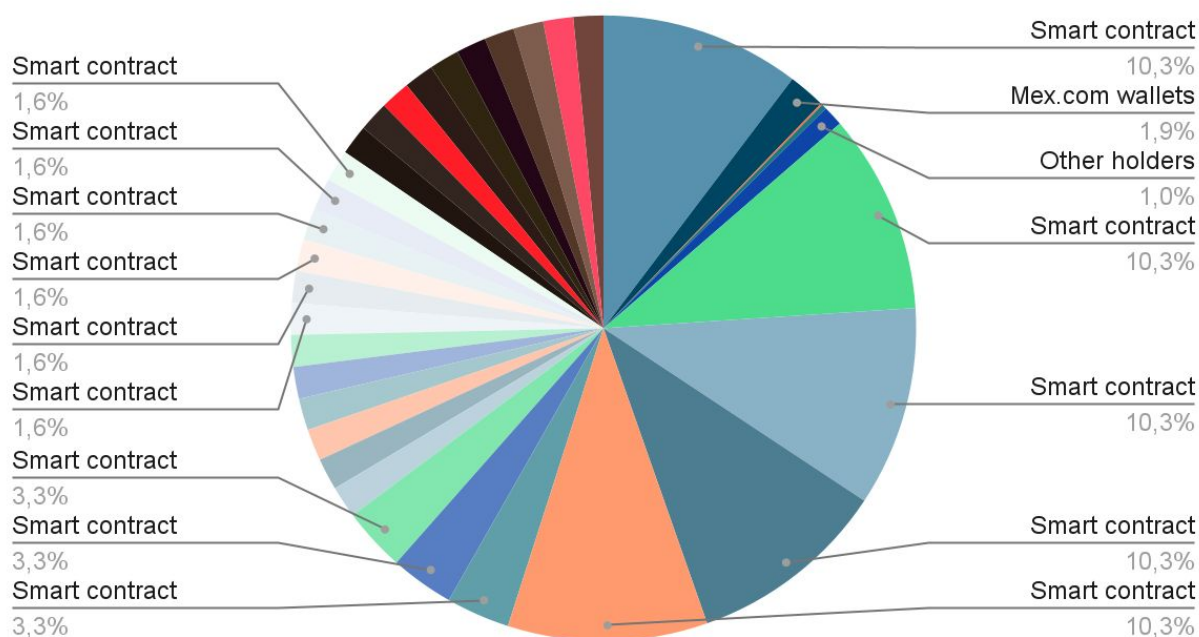- 2.3% - Bug bounty
- 20% - Liquidity
- 21% - Staking&Rewards

Tokens distribution

Staking+Rewards
21,0%

Seed
4,0%

Private round
7,0%

Strategic round
4,0%

Public round
1,2%

Team
10,0%

Advisors
5,0%

Marketing
10,0%

Development
15,0%

Liquidity
20,0%

Bug bounty
2,3%

Current state

⚠️ **96,7% Of total supply is held by 30 smart contracts unverified in BscScan.**

Tokens distribution

Smart contract
1,6%

Smart contract
1,6%

Smart contract
1,6%

Smart contract
1,6%

Smart contract
1,6%

Smart contract
1,6%

Smart contract
3,3%

Smart contract
3,3%

Smart contract
3,3%

Smart contract
10,3%

Mex.com wallets
1,9%

Other holders
1,0%

Smart contract
10,3%

Smart contract
10,3%

Smart contract
10,3%

Smart contract
10,3%

Darkshield Games
Project & Team Review

According to their whitepaper:

Darkshield game studio specializes in 2D and 3D RPG video games development.

They will develop only completely crypto and NFT suitable games.

There will be periodic game releases from various genres on a regular basis, along with NFT game assets for them.

$DKS will be the native token and serve as utility token for game rewards, staking, DAO governance and in-game currency.

Future project developments:

- NFTs
- DAO
- Market place
- Staking

Team:

Team has not been KYC'd

Website Analysis

URL: https://darkshield.games/

- **Design:** Single page, template design, nice color scheme.

- **Content:** Informative, well structured, no grammar mistakes.

- **Whitepaper:** Well written, explanatory.

- **Roadmap:** Goals set 1 year a head with time frames.

- **Mobile-friendly?** Yes

- **Technical:** SSL certificate present. General SEO check passed.
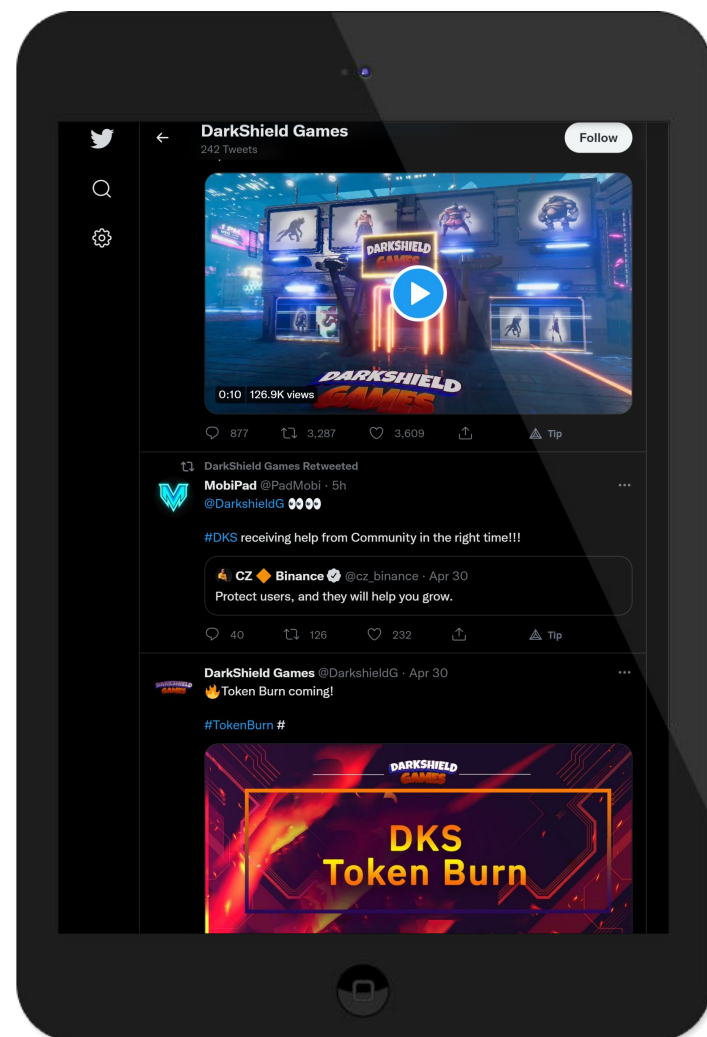

darkshield.games
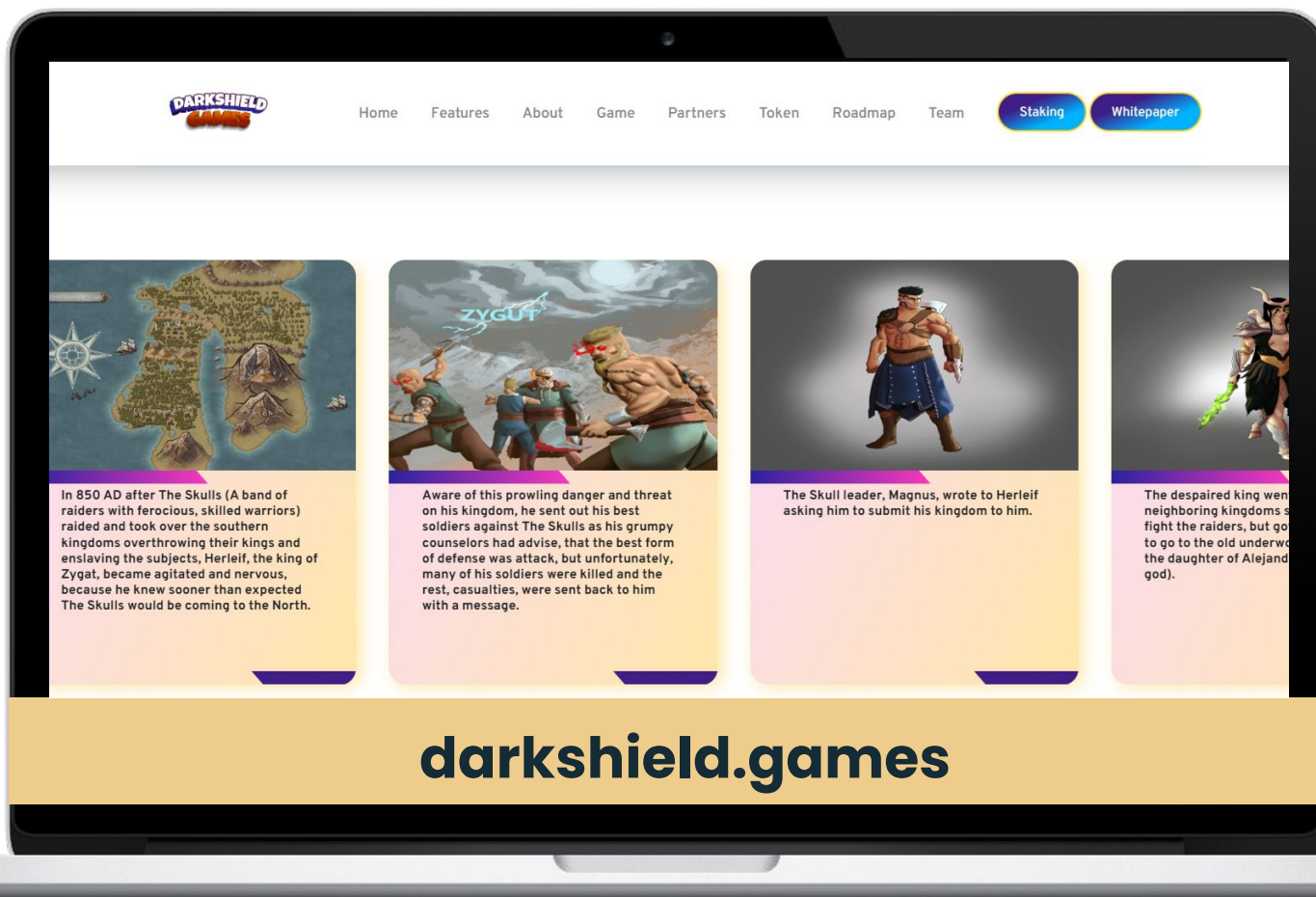
Social Media & Online Presence

Telegram

https://t.me/DarkShieldGames

- 9 880 members
- Active
- Announcement channel

Twitter

https://twitter.com/DarkshieldG

- 25 300 Followers
- Very Active

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork

(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.